

MOTOR STARTING DEVICE

Abstract Of The Disclosure

5 A motor starting device employs a relay to connect and disconnect an auxiliary start capacitor in parallel with the existing start capacitor of a single-phase split-capacitor induction motor. The relay is normally closed and in the initial state connects the auxiliary start capacitor in parallel with the existing start capacitor. After a source of alternating current voltage is connected to the motor, a control circuit energizes the relay to disconnect the
10 auxiliary start capacitor after a delay time. When the source of alternating current voltage is disconnected from the motor, a relay protection circuit maintains the relay switch open until the charge has dissipated from both the existing start capacitor and the auxiliary start capacitor.